

03050111-020
(Halfway Swamp Creek)

General Description

Watershed 03050111-020 is located in Calhoun County and consists primarily of *Halfway Swamp Creek* and its tributaries. The watershed occupies 45,964 acres of the Upper Coastal Plain region of South Carolina. The predominant soil types consist of an association of the Wagram-Faceville-Marlboro-Noboco series. The erodibility of the soil (K) averages 0.15; the slope of the terrain averages 2%, with a range of 0-6%. Land use/land cover in the watershed includes: 46.3% forested land, 28.6% agricultural land, 11.8% forested wetland, 7.8% scrub/shrub land, 3.4% urban land, 1.2% barren land, and 0.9% water.

Halfway Swamp Creek originates near the Town of St. Matthews and drains into the upper reaches of Lake Marion. Before entering Lake Marion, Halfway Swamp Creek receives drainage from Lake Inspiration (35 acres) located in downtown St. Matthews, Furlick Branch, Lyons Creek (Antley Springs Branch, Bell Branch), and Hutto Pond (40 acres). There are numerous small lakes and ponds in this watershed (totaling 400 acres) and a total of 55.7 stream miles, all classified FW.

Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
C-058	S	FW	LAKE INSPIRATION - ST MATTHEWS (FRONT OF HEALTH DEPT)
C-063	S	FW	HALFWAY SWAMP CREEK AT S-09-43 3 MI E OF ST MATTHEWS
SC-007	SC	FW	HALFWAY SWAMP CREEK AT SC 33
CW-241	W	FW	HALFWAY SWAMP CREEK AT S-09-72
CW-242	W	FW	HALFWAY SWAMP CREEK TRIBUTARY AT S-09-158

Halfway Swamp Creek -There are two SCDHEC ambient monitoring network sites (**C-063**, **CW-241**) and one SCPSA monitoring site (**SC-007**) along Halfway Swamp Creek. Recreational uses are not supported at any site due to fecal coliform bacteria excursions. Aquatic life uses are fully supported at the furthest upstream site (**C-063**), and a significant decreasing trend in five-day biochemical oxygen demand suggests improving conditions for this parameter. There is a significant decreasing trend in pH. Aquatic life uses are fully supported at **SC-007**. At **CW-241**, aquatic life uses are fully supported; however there was a high concentration of zinc measured in 1998.

Halfway Swamp Creek Tributary (CW-242) - Although a pH excursion occurred, due to the small number of samples, aquatic life use support determination is inconclusive. Recreational uses are partially supported due to fecal coliform bacteria excursions.

Lake Inspiration (C-058) - Aquatic life uses are partially supported due to dissolved oxygen and pH excursions, compounded by a significant decreasing trend in dissolved oxygen concentration. There was

a significant decreasing trend in pH. Recreational uses are partially supported due to fecal coliform bacteria excursions; however a significant decreasing trend in fecal coliform bacteria concentration suggests improving conditions for this parameter.

A fish consumption advisory has been issued by the Department for mercury and includes portions of Lake Marion within this watershed (see advisory p.34).

NPDES Program

Active NPDES Facilities

RECEIVING STREAM

FACILITY NAME

PERMITTED FLOW @ PIPE (MGD)

COMMENT

NPDES#

TYPE

LIMITATION (EL/WQL)

ANTLEY SPRINGS

TOWN OF ST MATTHEWS/SOUTH PLANT

PIPE #: 001 FLOW: 0.55

WQL FOR NH3-N, TRC, DO

SC0028801

MINOR DOMESTIC

WATER QUALITY

Growth Potential

There is a low potential for growth in this watershed, with the exception of the northwestern corner around the Town of St. Matthews.